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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 536-009.023
INTERNATIONAL APPLICATION NO. PCT/EP03/14949	INTERNATIONAL FILING DATE 29 December 2003	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/542,938
TITLE OF INVENTION Asynchronous wrapper for a globally asynchronous, locally synchronous (GALS) circuit		
APPLICANT(S) FOR DO/EO/US Eckhard GRASS and Milos KRSTIC		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input checked="" type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/542,938	INTERNATIONAL APPLICATION NO. PCT/EP03/14949	ATTORNEY'S DOCKET NUMBER 536-009.023
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20. Other items or information:

The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300				\$	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 All other situations.....\$200				\$	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....\$400 All other situations.....\$500				\$	
TOTAL OF 21, 22 and 23 =					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	Ref: 11/10/2005 PKIDWELL 0017364300 Date: 230442 Name/Number: 10542938 FC: 9204 \$130.00 CR	
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims		- 20 =		x \$ 50	\$
Independent claims		- 3 =		x \$200	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
				SUBTOTAL =	\$
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).				+ \$ 130.00	
				TOTAL NATIONAL FEE =	\$
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$	
TOTAL FEES ENCLOSED =				\$ 130.00	
09/06/2005 MKAYPAGH 00000145 10542938				Amount to be refunded:	\$
130.00 OP				Amount to be charged for adjustment:	\$

09/06/2005 date: 11/10/2005 PKIDWELL
01 FC:1617 01 FC:1617 11/10/2005 MKAYPAGH 00000145 10542938
-130.00 OP

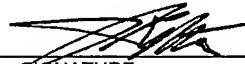
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- a. A check in the amount of \$ 130.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0442. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Ware, Fressola, Van Der Sluys
& Adolphson LLP
Bradford Green, Building Five
755 Main Street, P.O. Box 224
Monroe, CT 06468



SIGNATURE
James A. Retter

NAME

41,266

REGISTRATION NUMBER

BEST AVAILABLE COPY

26 AUG 2005

10/543938
PATENT

Practitioner's Docket No. 536-009.023

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: E. GRASS et al.

Application No.: 10/542,938 Group No.: To be assigned

Filed: July 20, 2005 Examiner: To be assigned

For: Asynchronous wrapper for a globally asynchronous, locally synchronous (GALS) circuit

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

TRANSMITTAL OF SUBSTITUTE SPECIFICATION (37 C.F.R. § 1.125)

NOTE: A substitute specification, excluding the claims, may be filed at any point up to payment of the issue fee if it is accompanied by items indicated below. See 37 C.F.R. § 1.125(b).

1. Enclosed is a substitute specification for the originally filed specification in this application.

NOTE: The substitute specification must be submitted in clean form without markings as to amended material. The paragraphs of any substitute specification, other than the claims, should be individually numbered in Arabic numerals so that any amendment to the specification may be made by replacement paragraph in accordance with § 1.121(b)(1). 37 C.F.R. § 1.125(c).

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory;
 Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

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37 C.F.R. § 1.8(a)

with sufficient postage as first class mail.

37 C.F.R. § 1.10 *

as "Express Mail Post Office to Addressee"

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TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (703) _____

Annemarie Maher
Signature

Annemarie Maher

(type or print name of person certifying)

Date: Aug. 26, 2005

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

(Transmittal of Substitute Specification [9-27]—page 1 of 2)

2.

(complete the following applicable item)

This substitute specification is submitted, in response to a requirement by the Examiner.

OR

This substitute specification is being voluntarily submitted, in order to facilitate the processing of the application.

3. Also enclosed is a marked-up copy of the substitute specification showing the matter being added to and the matter being deleted from the specification.

4. Accompanying this transmittal is a statement, as required by 37 C.F.R. § 1.125(b)(1), that the substitute specification transmitted herewith contains no new matter.



SIGNATURE OF PRACTITIONER

James A. Retter

(type or print name of practitioner)

Reg. No.: 41,266

Ware, Fressola, Van Der Sluys & Adolphson LLP

Tel. No.: (203) 261-1234

P.O. Address

Bradford Green, Building Five

Customer No.: 004955

755 Main Street, P.O. Box 224, Monroe, CT 06468

(Transmittal of Substitute Specification [9-27]—page 2 of 2)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: E. GRASS et al.

Int'l.
Filing Date — Dec. 29, 2003

Application No.: 10/542,938 Group No.: To be assigned
 Filed: July 20, 2005 Examiner: To be assigned
 For: Asynchronous wrapper for a globally asynchronous, locally synchronous (GALS) circuit

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

**STATEMENT THAT SUBSTITUTE SPECIFICATION
 CONTAINS NO NEW MATTER (37 C.F.R. § 1.125)**

1. Identification of person making this statement

James A. Retter

(type or print name) Ware, Fressola, Van Der Sluys & Adolphson LLP
 Bradford Green, Building Five

Address 755 Main Street, P.O. Box 224
 Monroe, CT 06468

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is **mandatory**;
 Express Mail certification is **optional**.)

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37 C.F.R. § 1.8(a)**37 C.F.R. § 1.10 ***

with sufficient postage as first class mail. as "Express Mail Post Office to Addressee"

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TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (703) _____

Date: Aug. 26, 2005

Annemarie Maher
 Signature

Annemarie Maher

(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

The person making this statement is:

(complete applicable item)

- the inventor in this application.
- the attorney in this application, Registration Number 41,266
- other *(indicate relationship)*

2. Statement

I hereby state that the accompanying substitute specification contains no new matter over that contained in the above-identified application originally filed.

(complete the following, if applicable)

- I further state that the changes made are the same as indicated in the interlined substitute specification also accompanying this statement.



Signature of person making statement

REC'D PTO 26 AUG 2005

Attorney Docket No. 536-009.023

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: E. GRASS et al.

Serial No.: 010/ 542,938 Group No.: To be assigned

Filed: July 20, 2005 Examiner: To be assigned

(Int'l. Filing Date: Dec. 29, 2003)
For: Asynchronous wrapper for a globally (complete if applicable)
asynchronous, locally Date of mailing of "Notice of Allowance and
synchronous (GALS) circuit Base Issue Fee Due"
issue Batch No. _____

Commissioner of Patents and Trademarks
Washington, D. C. 20231

TRANSMITTAL OF FORMAL DRAWING(S) PRIOR TO NOTICE OF ALLOWANCE

Attached please find the formal drawings for this application.

Reg. No. 41,266


SIGNATURE OF ATTORNEY

James A. Retter

Tel. No. (203) 261-1234

Type or print name of attorney

Ware, Fressola, Van Der Sluys & Adolphson LLP

Customer No.: 004955

P.O. Address

Bradford Green, Bldg. 5, 755 Main St., Monroe, CT 06468

NOTE: The art unit, serial number and number of drawing sheets should be written on the reverse side of the drawings. However, for identification of the serial number, the PTO prefers that it be placed on the front. Notice of September 5, 1986 (1070 O.G. 46 to 59, 54).

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage ~~as first class~~ mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231. Express

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Annemarie Maher

Date: August 26, 2005

(Type or print name of person mailing paper)

Annemarie Maher

(Signature of person mailing paper)